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APPLICATION NO.	FILIN	G DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/609,322	06/2	26/2003	Narayanan Sundararajan	070702005600	7346
Raj S. Dave	7590	05/14/2007		EXAM	INER
Morrison & Fo	erster LLP	TENTONI, LEO B			
Suite 300 1650 Tysons B	lvd.		ART UNIT	PAPER NUMBER	
McLean, VA 2				1732	
				MAIL DATE	DELIVERY MODE
				05/14/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

		#\ <u></u>				
	Application No.	Applicant(s)				
Office Action Comments	10/609,322	SUNDARARAJAN, NARAYANAN				
Office Action Summary	Examiner	Art Unit				
	Leo B. Tentoni	1732				
The MAILING DATE of this communication app Period for Reply	pears on the cover sheet with the	correspondence address				
A SHORTENED STATUTORY PERIOD FOR REPL WHICHEVER IS LONGER, FROM THE MAILING D - Extensions of time may be available under the provisions of 37 CFR 1.1 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period for reply within the set or extended period for reply will, by statute Any reply received by the Office later than three months after the mailin earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATIO (36(a). In no event, however, may a reply be ti will apply and will expire SIX (6) MONTHS from a cause the application to become ABANDONE.	N. mely filed n the mailing date of this communication. ED (35 U.S.C. § 133).				
Status						
1) Responsive to communication(s) filed on 01 N	<u> 1arch 2007</u> .					
2a) ☐ This action is FINAL . 2b) ☑ This	s action is non-final.					
3) Since this application is in condition for allowa	nce except for formal matters, pr	osecution as to the merits is				
closed in accordance with the practice under E	Ex parte Quayle, 1935 C.D. 11, 4	53 O.G. 213.				
Disposition of Claims						
4) Claim(s) 1-4,6-10,12-15,17,19,22-25 and 34 is	s/are pending in the application.					
4a) Of the above claim(s) is/are withdra						
5) Claim(s) is/are allowed.						
6) Claim(s) <u>1-4, 6-10, 12-15, 17, 19, 22-25 and 3</u>	<u>l4</u> is/are rejected.					
7) Claim(s) is/are objected to.						
8) Claim(s) are subject to restriction and/o	or election requirement.					
Application Papers						
9) The specification is objected to by the Examine	er.					
10) The drawing(s) filed on is/are: a) acc	epted or b) objected to by the	Examiner.				
Applicant may not request that any objection to the	drawing(s) be held in abeyance. Se	ee 37 CFR 1.85(a).				
Replacement drawing sheet(s) including the correct	tion is required if the drawing(s) is ob	ojected to. See 37 CFR 1.121(d).				
11) The oath or declaration is objected to by the E	xaminer. Note the attached Office	e Action or form PTO-152.				
Priority under 35 U.S.C. § 119						
12) Acknowledgment is made of a claim for foreign	n priority under 35 U.S.C. § 119(a	a)-(d) or (f).				
a) ☐ All b) ☐ Some * c) ☐ None of:						
1. Certified copies of the priority documents have been received.						
2. Certified copies of the priority documents have been received in Application No						
3. Copies of the certified copies of the prio	•	ed in this National Stage				
application from the International Burea * See the attached detailed Office action for a list	, , , ,	ed				
See the attached detailed Office action for a list	of the certified copies not receive	eu.				
Attachment(s)	_	•				
Notice of References Cited (PTO-892)	4) Interview Summan Paper No(s)/Mail D					
2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08)	5) Notice of Informal					
Paper No(s)/Mail Date	6)					

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DETAILED ACTION

Continued Examination Under 37 CFR 1.114

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 01 March 2007 has been entered.

Claim Rejections - 35 USC § 112

2. The following is a quotation of the first paragraph of 35 U.S.C. 112:

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.

3. Claims 1-4, 6, 7 and 17 are rejected under 35 U.S.C. 112, first paragraph, as failing to comply with the written description requirement. The claim(s) contains subject matter which was not described in the specification in such a way as to reasonably convey to one skilled in the relevant art that the inventor(s), at the time the application was filed, had possession of the claimed invention. The newly-claimed aspect

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of "wherein the solidifiable fluid comprises a binding material" (claim 1, line 6) is new matter for these claims because this aspect is described for biocompatible coatings (paragraph [0049] of the published application, or paragraph [0045] of the specification; note that claims 8-10 and 12 are proper) and for a divider wall (paragraph [0062] of the published application, or paragraph [0057] of the specification; note that claims 13-15 are proper).

4. Claims 19, 22, 23 and 34 are rejected under 35 U.S.C. 112, first paragraph, as failing to comply with the written description requirement. The claim(s) contains subject matter which was not described in the specification in such a way as to reasonably convey to one skilled in the relevant art that the inventor(s), at the time the application was filed, had possession of the claimed invention. The newly-claimed aspect of "wherein the solidifiable fluid comprises dissolvable nanoparticles" (claim 19, line 5) is new matter for these claims because this aspect is described for a divider wall (paragraph [0063] of the published application, or paragraph [0058] of the specification; note that claims 24 and 25 are proper).

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Claim Rejections - 35 USC § 102

5. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.
- 6. Claims 1-4, 6-10, 12-15 and 17 are rejected under 35 U.S.C. 102(e) as being anticipated by Beebe et al (U.S. Patent 6,488,872 B1).

Beebe et al (see the entire document, in particular, col. 3, lines 44-55; col. 4, lines 52-61; col. 7, line 55 to col. 8, line 7; col. 8, line 66 to col. 9, line 35; col. 10, line 5 to col. 12, line 52; col. 28, lines 36-63; claims 1, 9 and 10) teaches a process of making a structure as claimed, including a solidifiable fluid which contains a binding material.

Claim Rejections - 35 USC § 103

7. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

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(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

8. Claims 19, 22-25 and 34 are rejected under 35 U.S.C. 103(a) as being unpatentable over Beebe et al (U.S. Patent 6,488,872 B1) as applied to claims 1-4, 6-10, 12-15 and 17 above, and further in view of Schneider et al (U.S. Patent Application Publication 2003/0083401 A1).

Schneider et al (see the entire document, in particular, paragraph [0055]) teaches a process of making a structure including the use of a solidifiable fluid containing nanoparticles, and such would have been obvious to one of ordinary skill in the art at the time the invention was made in the process of Beebe et al in view of Schneider et al principally in order to manufacture a structure having improved properties from the use of nanoparticles.

Response to Arguments

9. Applicant's arguments with respect to claims 1-4, 6-10, 12-15, 17, 19, 22-25, and 34 have been considered but are moot in view of the new ground(s) of rejection.

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10. With respect to a solidifiable fluid which contains a binding material, this is taught by Beebe et al (see, for example, col. 28, lines 36-63 of Beebe et al).

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Leo B. Tentoni whose telephone number is (571) 272-1209. The examiner can normally be reached on Monday - Friday (6:30 A.M. - 3:00 P.M.).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Christina A. Johnson can be reached on (571) 272-1176. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Leo B. Tentoni

Leo B. Tentoni Primary Examiner Art Unit 1732

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